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AGRICULTURAL LIBRARIES INFORMATION NOTES

National
Agricultural
Library

U.S. Department of
Agriculture
Beltsville, Md. 20705

ISSN: 0095-2699

Volume 10, Number 4
April 1984

FULL TEXT DATA- BASES--AN EMERGING TREND OF INTEREST TO AGRICULTURALISTS

by
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Leader, Training
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NAL
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Following an emerging trend in library science can be like watching a stream meander across a country landscape, flowing effortlessly at first, then forming into a placid lake only to evaporate and disappear all together or fall down suddenly on one's unexpectant head like a summer shower.

The development of full text databases may prove to be such a trend, one that will pose a puzzling problem to thoughtful librarians. What, they might ask, will become of the research library (not to mention librarian) when all relevant books and journal articles are available online in the form of full text databases? Will service to the public be improved? And who will bear the cost?

For readers unfamiliar with this new technology and its attendant terminology, full text databases are new online information retrieval systems, ones which contain the full text, that is, the entire textual content, of previously written information. The written information may also be published in the traditional manner. And, therefore, a full text database may exist simultaneously, and contain the same content, as a published book, or article, or paper. However, once the information is stored in its entirety in an online system, it can be accessed differently from the printed and published information: it can be cataloged, indexed, and analyzed at a much more detailed level; and it can be "delivered" over telephone lines via remote dial-up terminals, microcomputers, communicating word processors, or electronic mail systems. This fact has extensive and significant implications for the cost, effectiveness, speed, reliability, and user satisfaction of current document acquisition, analysis, and delivery systems.

Because the National Agricultural Library has the primary responsibility within the Department of Agriculture for acquiring and delivering such large quantities of published information (over 300,000 items requested each year), it is interested in the development, cost, and effectiveness of full text online information retrieval, and delivery systems. It is particularly interested in their potential for indepth, detailed, sentence level indexing for specific retrieval purposes to aid in furthering the agricultural research enterprise. Speeding up and smoothing out the document delivery process is also a NAL goal. Therefore, last summer the National Agricultural Library requested funding from the Department of Agriculture for an evaluation study project: NAL wanted to build its own, private, fully searchable, online full text database.

Under an account set up in the Office of Assistant Secretary for Science and Education entitled "evaluation funds," NAL received authority and money to go ahead with a contract to develop such a database. Working with the Extension Service, the land-grant community, and other USDA agencies, NAL let a contract with the

Bibliographic Retrieval Service (BRS) in Latham, New York, to develop a pilot prototype database. The database will be online in BRS, fully searchable using BRS software, including adjacency operators and Boolean logic, and will contain the entire textual content of the Pork Industry Handbook.

The Pork Industry Handbook is an authoritative publication, cooperatively produced by the USDA, the state extension service, and the land-grant community. It consists of over 80 chapters covering all aspects of swine production, including breeding, feeding, genetics, management and more. It is also highly regarded nationwide, and used as a textbook in many colleges and universities. NAL will now be making it available as a private full text database for test and evaluation purposes.

As a printed publication, the Pork Industry Handbook can be "accessed", that is, information can be found, only by reading the individual chapters, or looking at chapter headings in the table of contents for sections likely to contain needed information. As a full text database, however, powerful computer software will make every word in the Handbook accessible through keyword searching. What this means is that the system's software will allow searching for the occurrence of separate words down to both the paragraph and sentence level within the text of the handbook. This will ensure an unprecedented level of in-depth, detailed indexing. Also, the system will allow the printing online or offline of separate paragraphs--anywhere they occur in the Handbook. An entire chapter need not be read online or printed offline in order to find and retrieve a specific piece of information or a fact. The system chosen by NAL will also be accessible over the ITT DIALCOM electronic mail network widely in use throughout USDA and on land-grant campuses. Therefore, an individual in one place on one campus might search the full text database to locate a piece of information, store the paragraph containing that information in his or her electronic mailbox, then forward the same paragraph to someone else in another office, on another campus, or even in another state, all without ever logging off the system or ever re-keying a single word.

The Pork Industry Handbook will not be the first printed publication to go online as a full text database. But it will be the first produced by the National Agricultural Library. The USDA as a whole is also looking at online full text systems, and in particular is interested in loading "perishable" information (e.g. market and price reports; press releases, etc.). The Library of Congress too has a pilot project to load the text of previously printed information onto laser-read optical storage discs for preservation and remote, simultaneous, multiple access by users. And, the American Chemical Society also has entered the full text field in a very big way. It has made available the entire text of its 18 major primary journals--over 40,000 articles available online going back to 1980, including the Journal of Agricultural and Food Chemistry. (This, according to the ACS, is about the equivalent of 150,000 typeset pages of printed information, or about five times the size of the Encyclopedia Britannica.)

BRS also boasts the availability of the Academic American Encyclopedia, IRCS Medical Science, the Mental Measurements Yearbook, the Harvard Business Review; and has also just announced the availability of what it calls the "Critical Care Medicine Library" which contains the full text of 24 prominent medical textbooks in emergency and critical care in medicine. And, in addition to these systems, a bill has been introduced before Congress that will require the National Library of Medicine "to make available to all of the Nation's medical libraries the full text of published research results using modern information technologies."

Representative Robert G. Torricelli, who introduced H.R. 5098 (A bill to promote the dissemination of biomedical information through modern methods of science and technology) further articulated the problems of scientists and researchers in locating documents: stating in remarks before the House of Representatives, Torricelli said this "search is often so frustrating and time consuming that it is sometimes referred to as 'the paper chase,' and only as a last resort does the library provide the documents to the scientists [Congressional Record--Extension of Remarks, Thursday, March 8, 1984, p. E881].

No one is more keenly aware of the problems facing researchers in locating documents relevant to their work than the modern research librarian; and no one is more sensitive to the scientist's need for immediate document delivery. Full text, online information retrieval systems offer just one more tool in the librarian's hands for offering better, quicker, and more effective public service. NAL hopes to learn more about them through its own full text project, and will keep ALIN readers informed on its progress.



Full text books and journal articles will be entered into the BRS pilot prototype database making every word accessible through keyword searching. USDA Photo

NUTTONSON CLIMATOLOGY LIBRARY

The 4,000-volume estate library of the late Dr. Michael Nuttonson has been accepted by the NAL. The library includes:

- Technical reports and surveys of climatology and crop ecology of various countries;
- Meteorological records and biological data from various parts of the world, including phenological records of pure line crop varieties, clones, inbred lines, and hybrids, as well as their principal diseases and pests under similar and diverse environmental conditions;
- Maps, charts, project records, tables, technical reports, books, monographs, journals, abstracts on agriculture, agronomy, air pollution, biology, botany, crops, conservation, ecology, environment-physiology, range development science, soils, water, and watershed management.

The library also includes a number of books in Russian on the same and similar subjects.


At the time of his death, Dr. Michael Nuttonson was a Research Geographer in the Department of Geography at the University of California, Santa Barbara.

Dr. Nuttonson received his BS and MS degree in Plant Sciences from the University of California at Berkeley in 1932 and 1933 respectively. His PhD and DSc were in crop ecology from the Academy of Agriculture Sciences, Leningrad, USSR, in 1937. He attended Cornell University for post doctorate studies in plant physiology from 1937 to 1939 and received an honorary Doctorate of Science from the Instituto Universitario de Lingue E Letturtore Stranerie de Bergamo, Mergamo, Italy, in 1947. Dr. Nuttonson ranked as one of the world's leading experts on crop ecology and agroclimatic analogues and


published more than 70 books on crop ecology and air pollution.

From 1937 to 1944, he was successively an agronomist with the Soil Conservation Service, and with the U.S. Department of Agriculture Research Laboratories at Beltsville, Maryland. He then joined the Division of Agricultural Rehabilitation (UNRRA), and as a crop ecologist served on General MacArthur's staff, working on studies for the post-war rehabilitation and improvement of Japanese agriculture.

From 1945 to 1947, he was a senior agronomist/crop ecologist in the Office of Foreign Agricultural Relations (USDA), and in the United Nations Food and Agriculture Organization.

In 1948 Dr. Nuttonson established the American Institute of Crop Ecology and became its Research Director. In the 30 years from 1948 to 1978 he coordinated the research of many active and retired agricultural scientists and under his direction, the Institute published some 70 books and innumerable periodical articles. 

INTERNATIONAL AGRIBUSINESS FORUM PROCEEDINGS

The taped proceedings of the 1973 International Agribusiness Forum have been deposited with the National Agricultural Library by Frank Frazier, Vice President-Public Affairs, American Society of Agricultural Consultants. The Society is a nationwide association of diversified professionals who are prepared to offer sound, objective advice and solutions to the problems and decisions involved in modern agriculture. The International Agribusiness Forum is a natural extension of this basic ASAC precept. To listen to the tapes, contact Dr. Alan Fusonie, Special Collection, NAL. Telephone: 301-344-3876. 



NAL PROJECTS AND POLICIES

NAL'S SPECIAL EXTENSION COLLECTIONS PROJECT

The National Agricultural Library has completed the processing of two special Extension collections donated by the U.S. Department of Agriculture's Extension Service and the State Cooperative Extension Service of the Northeast Region. The USDA Extension Service repository collection consists of dissertations and theses written by USDA Extension personnel and Federal and State Extension publications. The State Cooperative Extension Service collection from Rutgers University primarily consists of State Extension publications.

NAL prioritized the Extension repository collection for cataloging with the help of USDA Extension personnel. In June 1981 NAL staff began processing the highest priority items including 1,550 theses and dissertations that USDA Extension Service personnel, for the most part, authored. Between 1981 and 1982 the dissertations were cataloged and input into OCLC providing national online bibliographic access to this special collection for the first time.

In July 1983 a contract was awarded to Zimmerman Associates of Falls Church, Virginia, to assist in the completion of cataloging the unprocessed items. The contract provided for the preparation of a Minimal Level Cataloging (MLC) record* for each title new to the collection. Over 2,400 MLC records were cataloged; of these, 74 percent were original record input to the OCLC database. Nearly 4,000 Extension repository titles were cataloged and input to OCLC between 1981 and 1983, thus completing the project.

NAL renewed the contract with Zimmerman Associates in 1983 to catalog the Extension publications from Rutgers University. By April 1984 over 1,100 items from this collection had been cataloged, of which 94 percent were original bibliographic records input into OCLC. NAL will continue to provide MLC record preparation for OCLC for the remaining titles through a contractor. The cataloging of this second Extension collection will be complete by June 1984.

Since 1981 NAL and Zimmerman Associates processed nearly 5,900 titles from the two gift collections; of this total, over 5,000, or nearly 85 percent, were new to the NAL collection. In addition, the contract staff processed nearly 3,500 MLC records into OCLC of which over 82 percent were original, greatly increasing national access to these Extension collections. The records are available nationally for cooperative cataloging from OCLC and for information retrieval from the agricultural database AGRICOLA.

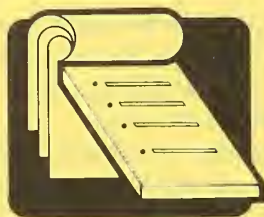
*An MLC bibliographic record, in contrast to the familiar standard full level record, is a brief catalog record which in accordance with national cataloging standards provides author and title access and permits quick record preparation due to the brief bibliographic format requirements.

--Patricia L. John, Head
Cataloging Section, NAL
301-344-3728 

The National Agricultural Library has a long-standing special relationship with the libraries of land-grant universities. NAL Director Joseph H. Howard has scheduled times at both the Special Libraries Annual Convention in New York and the American Library Association Annual Convention in Dallas to meet with land-grant library directors as well as other interested librarians and give a progress report on NAL activities. The dates are:

Special Libraries Association,
New York--Monday, June 11,
3:30-5:30 p.m.
Sheraton Centre Hotel, Common-
wealth A & B

American Library Association,
Tuesday, June 26: 2-4 p.m.
Dallas Convention Center, Rm. N-231



NEW SERIALS RECEIVED AT NAL

ARCHIVES OF INSECT BIOCHEMISTRY AND
PHYSIOLOGY. New York, Alan R. Liss,
Inc. q. Vol. 1, no. 1 (1983)-
QL495.A7

CORPUS ALMANAC & CANADIAN SOURCEBOOK.
Ontario, Corpus Information Services.
a. Issued in two vols. (1983)-
F1004.7.M3

DEVELOPMENTS IN FOOD PROTEINS. London,
Englewood, NJ, Applied Science. irreg.
No. 1 (1982)-
TX553.P7D41

DISCUSSION PAPER. New Castle upon
Tyne, England. irreg. No. 1 (Mar.
1982)-
S539.5.D6

FARM BUSINESS. London, England,
International Thomson Pub. Ltd. irreg.
(Oct. 1983)-
S560.B54

FEED OUTLOOK AND SITUATION REPORT.
Washington, D.C., U.S. Department of
Agriculture. q. FDS-288 (Mar. 1983)-
1.941 b S8F32

FESPP NEWSLETTER. Copenhagen, Denmark,
Federation of European Societies of
Plant Physiology. Three or four times
a year. No. 1 (Dec. 1982)-
QK710.F47

FOOD PROCESSING. Kent, England,
Techpress (FPI) Ltd. m. Vol. 52, no.
1 (Jan. 1983)-
389.8 b F738

JOURNAL OF BIOMOLECULAR STRUCTURE &
DYNAMICS. Guidlerland, NY, Adenine
Press. bi-m. Vol. 1, issues no. 1 & 2
published Oct. 1983.
QH506.J68

LEBENSMITTELCHEMIE, LEBENSMITTELQUALITÄT.
Hamburg, West Germany. irreg. Band 1
(1983)-

TX553.A3L4

ONLINE MICRO-SOFTWARE GUIDE & DIRECTORY.
SUPPLEMENT. Weston, CT, Online, Inc. a.
(1983)-

QA76.6.056 b Suppl.

REPORT, ELM FARM RESEARCH CENTRE.
Berkshire, Great Britain. irreg. No. 1
(Apr. 1981)-


S539.5.R44 

ELECTRONIC MANUSCRIPT PROJECT

The Association of American Publishers
(AAP) and the Council of Library Resources
have undertaken a project to develop
industry-wide standards for preparing and
processing electronic manuscripts.

The National Agricultural Library is
participating in the project, with
David Hoyt, Leader, Training and Education
as its liaison to the AAP Project Review
Board. The National Library of Medicine
and the Library of Congress, as well as
other information services, are
also participating. The aim is to permit
the authors, publishers, researchers, and
information services communities to
capitalize on the potential for increased
productivity and expanded product
opportunities offered by new electronic
information technologies.

According to the AAP, "The revolution has
seen a proliferation of electronic devices
for information capture, manipulation, and
production, each having its own set of
internal codes for text processing." An
industry-wide standard for "generalized
tagging" of textual and bibliographic
elements (author, title, paragraphs, etc.)
hopefully will solve the problem of
incompatibility between the various systems
being used to create, transmit, publish,
and retrieve information produced
originally in electronic form.

Under contract, Aspen Systems will develop
the standards and author guidelines (which
a number of organizations have agreed to
accept). 



NEW PUBLICATIONS OF NOTE

CAB SERIALS CHECKLIST. Commonwealth Agricultural Bureaux, August 1983. 182 p. \$31.50. Order from the Bureaux, Central Sales, Farnham House, Farnham Royal, Slough SL2 3BN, UK.

CAB THESAURUS. G. Eric Tidbury. Commonwealth Agricultural Bureaux, November 1983. Two Volumes, 1200 p. \$105.00. Order from the Bureaux, Central Sales, Farnham House, Farnham Royal, Slough SL2 3BN, UK.

*COMPUTERS ON THE FARM. Washington, D.C., U.S. Department of Agriculture, Office of Governmental and Public Affairs, March 1984. (Farmers' Bulletin No. 2277). 37 p. \$1.75.

*FARM POPULATION OF THE UNITED STATES: 1982. Washington, D.C., U.S. Department of Commerce, Bureau of the Census, and U.S. Department of Agriculture, Economic Research Service, 1983. (Farm Population Series P-27, No. 56). \$1.75. GPO Order No.: 003-001-90665-1.

*FARM POPULATION TRENDS BY FARM CHARACTERISTICS, 1975-80. Vera J. Banks. Washington, D.C., U.S. Department of Agriculture, Economic Research Service, February 1984. (Rural Development Research Report No. 40). 40 p. \$2.00.

FOOD AND AGRICULTURE COMPETITIVELY AWARDED RESEARCH GRANTS. FISCAL YEAR 1983. Washington, D.C., Office of Grants & Program Systems, Science & Education, U.S. Department of Agriculture, 1983. Request from Publication Requests and Distribution Section, Information Staff, Extension Service, U.S. Department of Agriculture, Washington, D.C. 20250.

**FY 1985 PRIORITIES FOR RESEARCH, EXTENSION AND HIGHER EDUCATION. A REPORT TO THE SECRETARY OF AGRICULTURE. Washington, D.C., Joint Council on Food and Agricultural Sciences, U.S. Department of Agriculture, (no date). 37 p.

HERBICIDE HANDBOOK (Fifth Edition). Weed Science Society of America, 1983. 515 p. \$10.00. Order from Society, 309 West Clark Street, Champaign, IL 61820.

THE INTERNATIONAL BIO-ENERGY DIRECTORY AND HANDBOOK FOR 1984. Washington, D.C., Bio Energy Council, 1983. 600 p. \$95.00. Order from The Council, 1625 Eye Street, N.W., Suite 315A, Washington, D.C. 20006.

**1983 ACCOMPLISHMENTS FOR RESEARCH, EXTENSION, AND HIGHER EDUCATION. A REPORT TO THE SECRETARY OF AGRICULTURE. Washington, D.C., Joint Council on Food and Agricultural Sciences, U.S. Department of Agriculture, 1983. 34 p.

**REFERENCE DOCUMENT: NEEDS ASSESSMENT FOR THE FOOD AND AGRICULTURAL SCIENCES. Washington, D.C., Joint Council on Food and Agricultural Sciences, U.S. Department of Agriculture, 1984. 328 p.

SERVICES AVAILABLE THROUGH THE U.S. DEPARTMENT OF AGRICULTURE. Washington, D.C., U.S. Department of Agriculture, Office of Governmental and Public Affairs, February 1984. (Program Aid No. 1336). 23 p. Free. Request from USDA, Office of Information, OGPA Publications Distribution, Room 508-A, Administration Bldg., Washington, D.C. 20250.

**SUMMARY: NEEDS ASSESSMENT FOR THE FOOD AND AGRICULTURAL SCIENCES. A REPORT TO THE CONGRESS FROM THE SECRETARY OF AGRICULTURE. Washington, D.C., Joint Council on Food and Agricultural Sciences, U.S. Department of Agriculture, 1984. 76 p.

*Order from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402. Tel. (202) 783-3238.

**Available from the Council Secretariat, Room 321A, Administration Bldg., U.S. Department of Agriculture, Washington, D.C. 20250.





NEW BIBLIOGRAPHIES

ULTRASONIC TECHNIQUES IN THE FOOD INDUSTRY (1972-JUL 83): (CITATIONS FROM THE FOOD SCIENCE AND TECHNOLOGY ABSTRACTS DATA BASE)/NATIONAL TECHNICAL INFORMATION SERVICE. National Technical Information Service, Springfield, VA, 1983. 1 v. (various pagings). (NAL Call No.: Z7914.F63U4).



QUICK BIBLIOGRAPHIES

The bibliographies in this series are primarily computerized online or batch bibliographies emanating from searches performed by the NAL Reference Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, relative length and probable value to a larger audience. All titles in this series will be listed for six months. Revisions or updates will be renumbered and reannounced. Only one copy of a title will be sent; however, requestors may make copies. To request a copy of a Quick Bibliography send the title, series number, and a return addressed label to:

Reference Section, Room 111
National Agricultural Library
Beltsville, MD 20705

NAL--Q.B.--84-10. LEGUMES IN CROP ROTATIONS, 1970-1983. 143 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. November 1983.

NAL--Q.B.--84-11. TECHNOLOGY TRANSFER, 1970-1983. 163 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. November 1983.

NAL--Q.B.--84-12. MARKET PROMOTION AND POTENTIAL IN THE U.S. AGRICULTURAL SECTOR. 199 citations. English only. Searched by Maria G. Pisa. November 1983.

NAL--Q.B.--84-13. GREENHOUSE CROP PRODUCTION, 1979-1983. 202 citations from AGRICOLA. English only. Searched by Henry Gilbert. November 1983.

BIBLIOGRAPHY OF THE BENEFICIAL USES/SEWER SLUDGE IRRADIATION PROJECT, 1974-1982. Homann, P. S., Hartwigsen, C. C., and Zak, B. D. Albuquerque, NM, Sandia National Laboratories, U.S. Dept. of Energy. Available from NTIS, Springfield, VA. 1982. 154 p. (NAL Call No.: Z5862.H64).

CSIRO DIVISION OF TROPICAL CROPS & PASTURES SCIENTIFIC PUBLICATIONS 1959-1980. Thompson, P. A. C. St. Lucia, Australia, CSIRO, Division of Tropical Crops and Pastures, Cunningham Laboratory, 1982. (Tropical Agronomy Technical Memorandum No. 33). (NAL Call No.: SB193.3.A8T7 no. 33).

LEUCAENA BIBLIOGRAPHY. Oakes, A. J. Beltsville, MD, Germplasm Resources Laboratory, U.S. Department of Agriculture, 1983. 90 leaves. (NAL Call No.: Z5356.L503).

LITERATURE REFERENCES TO MOSQUITOES AND MOSQUITO-BORNE DISEASES--1983, III. Sollers-Riedel, H. Albany, NY, American Mosquito Control Association. In Mosquito News, v. 43 (3), Sept. 1983. p. 393-411. (NAL Call No.: 421 M85).

RECENT PUBLICATIONS OF THE SOUTHEASTERN FOREST EXPERIMENT STATION, JANUARY-MARCH 1983. Asheville, NC, Southeastern Forest Experiment Station. In Forest Research in the Southeast, July 1983. p. 5-14. (NAL Call No.: aSD11.U55).

SOIL BIOTECHNOLOGY: MICROBIOLOGICAL FACTORS IN CROP PRODUCTIVITY. Lynch, J. M. Oxford, England, Blackwell Scientific Publications, 1983. (NAL Call No.: S596.7.L9).

NAL--Q.B.--84-14. PESTICIDE SAFETY, 1979-1983. 132 citations from AGRICOLA. English only. Searched by Henry Gilbert. November 1983.

NAL--Q.B.--84-15. DROUGHT RESISTANCE-PATHWAY TO PRODUCTIVITY, 1979-1983. 246 citations from AGRICOLA. Searched by Mary E. Lassanyi. February 1984.


NAL--Q.B.--84-16. WIND ENERGY FOR AGRICULTURE, 1981-1983. 77 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. February 1984. Updates 83-20.

NAL--Q.B.--84-17. SHEEP HUSBANDRY IN THE U.S., 1979-1983. 175 citations from AGRICOLA. English only. Searched by Jane T. MacLean. March 1984.

NAL--Q.B.--84-18. DOUBLE CROPPING AND INTERPLANTING, JUNE 1982-DECEMBER 1983. 115 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. March 1984.

NAL--Q.B.--84-19. URBAN FORESTRY, JANUARY-DECEMBER 1983. 223 citations from AGRICOLA. English only. Searched by Jayne T. MacLean. March 1984.

NAL--Q.B.--84-20. ETHYLENE DIBROMIDE (EDB), 1970-1983. 160 citations from AGRICOLA. Language non-excluded. Searched by Jayne T. MacLean. March 1984.

NAL--Q.B.--84-21. WORLD GRAIN TRADE: IMPLICATIONS FOR THE FUTURE, 1970-1983. 247 citations from AGRICOLA. Language non-excluded. Searched by Mary E. Lassanyi. March 1984. 

FIBER FILE COLLECTION DONATED TO NAL

On March 15 scientists from the Plant Genetics and Germplasm Institute, BARC, and members of NAL staff gathered with Joseph Howard, Director of NAL, to mark the transfer of the Crop Fiber File to NAL. This special collection is believed to be the most complete record of information in the United States, if not the world, on fiber crops of the world. Containing 50,000 reference

cards, thousands of reprints, manuscript materials, photographs, and specimens, the collection is particularly vital to research interests and projects involving the use of natural fibers (i.e. rubber, guayule).



Joseph Howard, Director, NAL, examines with Dr. Elton Nelson, retired ARS scientist/curator, a document from the crop file.



Joseph Howard (far right) Director, NAL, shows the new Fiber Crops File Office to guests.



ASSOCIATES NAL, INC.

AWARDS TO BE PRESENTED BY ASSOCIATES OF THE NATIONAL AGRICULTURAL LIBRARY, INC.

Three special awards will be made to nominated outstanding recipients in the agricultural library community by the Associates of the National Agricultural Library, Inc. at their annual meeting on July 13, 1984.

The three awards are: (1) PROFESSIONAL ACHIEVEMENT AWARD for any published contributions to library literature or meritorious accomplishment in the library science fields. Eligibility: Open to scientists, researchers, librarians, professional societies, businesses, and Associates NAL, Inc.

(2) CITATION OF SPECIAL RECOGNITION for special achievement and/or service given to the National Agricultural Library, to other agricultural libraries, or significant achievements leading to the advancement of the library science field. Eligibility: Open to concerned individuals, organizations, and businesses in the agricultural field, NAL staff, and the Associates NAL, Inc.

(3) DISTINGUISHED SERVICE AWARD recognizes and encourages meritorious performance exceeding job requirements at the National Agricultural Library. Eligibility: Open to all members of the National Agricultural Library staff.

All nominations should be mailed not later than May 31, 1984, to Barbara Williams Jenkins, Box 1565, South Carolina State College, Orangeburg, South Carolina 29115. Each nomination should include the following information: (1) Name of the award for which the candidate is proposed, (2) a brief statement of the basis of the

nomination and, (3) where appropriate, a nomination.

WE NEED YOUR HELP

You can ensure the National Agricultural Library's continued excellence by:

- telling others about the Associates NAL, Inc. and encouraging them to join
- sending us lists of potential members and contributors
- helping the Library solicit grants from foundations
- obtaining your company's or organization's participation in a matching gift program
- passing the information about Associates NAL, Inc. membership on in your newsletter or publications.

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- You will be involved in a rather unique and successful support organization in the vital area of agricultural information.
- You will receive:
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 - Agricultural Libraries Information Notes, the monthly newsletter of the National Agricultural Library.
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AGRICULTURE DATEBOOK

May 20-23: THE MICRO REVOLUTION IMPLICATIONS FOR THE INFORMATION AGE. 13th Mid-year Meeting for ASIS (American Society for Information Science) Bloomington, IN. Indiana Univ. Campus. Contact: Stephen Harter, Conference Chair, School of Library and Information Science, Indiana Univs., Bloomington, IN 47405 Tel: (812) 335-5113.

May 21: ASIS SPECIAL INTEREST GROUP ON RURAL INFORMATION SYSTEMS (SIG-RIS). Microcomputers & Rural Information Services, 2:40-4:00 p.m., Barnes Lounge, Ashton Center, Indiana University, Bloomington, IN. Contact: Martha J. Bailey, Life Sciences Library, Purdue University, West Lafayette, IN 47907. Tel: (317) 494-1912.

May 20-24: FRONTIERS OF MEMBRANE RESEARCH IN AGRICULTURE. Ninth Annual Beltsville Symposium in Agricultural Research. Beltsville Agricultural Research Center, Beltsville, Maryland. Contact Symposium Chairman, Meryl N. Christiansen, Building 001, Room 221, BARC-West, Beltsville, MD 20705. Tel: 301-344-3036.

May 24-26: SYMPOSIUM ON THE HISTORY OF SOIL AND WATER CONSERVATION. Columbia, MO. Contact: Douglas Helms, Historian, SCS-USDA, P. O. Box 2980, Washington, D.C. 20013.

June 13-14: ICSU AB CONFERENCE ON ELECTRONIC DOCUMENT DELIVERY AND ELECTRONIC PUBLISHING. Luxembourg. Contact: Mlle Marthe Orfus, Executive Secretary, ICSU AB, 51 Boulevard de Montmorency, 75016 Paris, France. Telephone: (33) (1) 525 65 92. Telex: 630553F.

June 18-21: BIO ENERGY 84. Gathenburg, Sweden. Contact: The Swedish Bio-Energy Association, Easingestaket 11, S-11266, Stockholm, Sweden. Tel: 46-8-565693.

June 25-29: CHEMRAWN III (CHEMICAL RESEARCH APPLIED TO WORLD NEEDS). World Conference on Resource Material Convention. Congress Centre, The Hague, The Netherlands. Contact: CHEMRAWN III Congress Bureau, OLT Convention Services, Keizersgracht 792, 1017 EC Amsterdam, The Netherlands.

July 29-August 1: THE GOLDEN ANNIVERSARY OF SOIL CONSERVATION. 39th annual meeting of the Soil Conservation Society of America. Oklahoma City, OK, Sheraton-Century Center Hotel. Contact: Walt Peechatka, SC5A, 7515 Northeast Ankeny Road, Ankeny, IA 50021. Tel: (515) 289-2331.

September 17-21: THIRTEENTH WORLD CONGRESS ON DISEASES OF CATTLE. Durban, Republic of South Africa. Contact: Prof. R. I. Coubrough, Chairman, Scientific Programme Committee, P. O. Box 35333, North Cliff 2115, Republic of South Africa.

October 21-26: CHALLENGES TO AN INFORMATION SOCIETY. 47th ASIS Annual Meeting. Philadelphia, PA. Franklin Plaza.

1985

June 2-6: INFORMATION FOR FOOD. VII World Congress of the International Association of Agricultural Librarians and Documentalists. Ottawa, Canada. Contact: Canadian Planning Committee, IAALD 1985, Room 249, Sir John Carling Blvd., Agriculture Canada, Ottawa, Canada, K1A 0C5.

AGRICULTURAL LIBRARIES INFORMATION NOTES provides a channel of communication to technical information specialists, librarians, extension workers, researchers, and scientists on agricultural information activities. It is published monthly by the U.S. Department of Agriculture, National Agricultural Library, Beltsville, MD 20705. Eugene Farkas, Editor, Marilyn Jacobs, Assistant Editor. (Tel: 301-344-3778).

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